

WHAT IS CLAIMED IS:

1. A wireless mouse and reader combination adapted for use with a separate RFID tag, the tag having data stored therein and a passive transponder circuit, comprising:
  - a source of an interrogating field;
  - a wireless mouse having a mouse motion encoder, an antenna, and an RF circuit coupled to the antenna and associated with the motion encoder and providing a RF signal identifying mouse motion; and
  - a reader including a decoder for receiving RF signals from the RFID tag and wireless mouse and detecting the data sent from the RF tag passive transponder circuit and the mouse motion information from the mouse RF circuit.
2. A wireless mouse and reader combination as set out in claim 1, wherein said RFID tag is attached to a product and wherein the data stored in said RFID tag comprises product related information.
3. A wireless mouse and reader combination as set out in claim 1, wherein said RFID tag is attached to a smart card and wherein the data stored in said RFID tag comprises financial information.
4. A wireless mouse and reader combination as set out in claim 1, wherein the data stored in said RFID tag comprises internet address location information.
5. A wireless mouse and reader combination as set out in claim 1, wherein said motion encoder comprises a ball adapted to rotate in response to mouse motion and X and Y encoder wheels coupled to the ball so as to respectively rotate in response to mouse motion in perpendicular directions and wherein said XY encoder wheels further comprise a circuit

element coupled to said RF circuit so as to tune and detune said RF circuit in response to mouse motion in X and Y directions.

6. A wireless mouse and reader combination as set out in claim 1, wherein said reader detects first and second RF frequencies and wherein said RFID tag transponder circuit and mouse RF circuit are operative at said first and second frequencies, respectively.
7. A wireless mouse and reader combination as set out in claim 1, wherein said reader comprises an antenna for receiving RF signals from both the RFID tag and wireless mouse.
8. A wireless mouse and reader combination as set out in claim 7, wherein said source of an interrogating field comprises said reader antenna.
9. A wireless mouse and reader combination as set out in claim 1, wherein said mouse RF circuit comprises one or more passive transponder circuits responsive to said interrogating field.
10. A wireless keyboard and reader combination adapted for use with a separate RFID tag, the tag having data stored therein and a passive transponder circuit, comprising:
  - a source of an interrogating field;
  - a wireless keyboard having a plurality of keys, an antenna, and an RF circuit coupled to the antenna and providing an RF signal identifying key activation; and
  - a reader including a decoder for receiving RF signals from the RFID tag and wireless keyboard and determining the data sent from the RFID tag passive transponder circuit and the key activation information from the keyboard RF circuit.

11. A wireless keyboard and reader combination as set out in claim 10, wherein said RFID tag is attached to a product and wherein the data stored in said RFID tag comprises product related information.
12. A wireless keyboard and reader combination as set out in claim 10, wherein said RFID tag is attached to a smart card and wherein the data stored in said RFID tag comprises financial information.
13. A wireless keyboard and reader combination as set out in claim 10, wherein the data stored in said RFID tag comprises internet address location information.
14. A wireless keyboard and reader combination as set out in claim 10, wherein said reader detects first and second RF frequencies and wherein said RFID tag transponder circuit and said keyboard RF circuit are operative at said first and second frequencies, respectively.
15. A wireless keyboard and reader combination as set out in claim 10, wherein said reader comprises an antenna for receiving RF signals from both the RFID tag and wireless keyboard.
16. A wireless keyboard and reader combination as set out in claim 10, wherein said source of an interrogating field comprises said reader antenna.
17. A wireless keyboard and reader combination as set out in claim 10, wherein said keyboard RF circuit comprises one or more passive transponder circuits responsive to said interrogating field.

18. A wireless keyboard and reader combination as set out in claim 10, wherein said reader detects the data sent from the RFID tag passive transponder circuit and the key activation information from the keyboard RF circuit, during first and second time slots, respectively.

19. A computer system adapted for use with a separately provided RFID tag having data stored therein, comprising:

a monitor;

a processor;

a wireless manual input device having an antenna and an RF circuit coupled to the antenna and providing an RF signal identifying manual user input; and

a reader including an antenna for receiving RF signals from the RFID tag and wireless manual input device and a decoder for detecting the data sent from the RFID tag passive transponder circuit and the manual user input information from the RF circuits.

20. A method for wireless transmission between a wireless manual input device or RFID tag and a reader, comprising:

providing an interrogating field;

receiving the interrogating field at an antenna configured in the RFID tag;

modulating a return field in response to data stored in the RFID tag;

detecting the modulated return field at the reader and decoding the data;

and

receiving a second RF field at the reader from the wireless manual input device.